

The **Peartree Lane landslide** was triggered by heavy winter rains, causing rapid slope failure in July 2023. Stabilizing mitigation work wrapped up in **early 2025**, allowing some residents to return. [\[1, 2, 3\]](#)

Chronological Overview

- **December 2022 – February 2023:** Historic winter storms saturated the porous clay subsurface. Satellite data later revealed the ground silently began moving in February. [\[1, 2\]](#)
- **July 8, 2023:** The land suddenly shifted up to 33 feet horizontally in a single afternoon. Twelve homes were red-tagged, caving into the canyon. Residents received a 20-minute evacuation warning. [\[1, 2, 3, 4\]](#)
- **July 11, 2023:** Five adjacent homes were yellow-tagged after shifting ground severed local utility lines. [\[1, 2\]](#)
- **March 2025:** Long-term hillside mitigation was completed, allowing the five yellow-tagged households to safely move back. [\[1\]](#)

Completed Damages & Future Mitigation

The City of Rolling Hills Estates and local HOAs executed a phased defense strategy to stop the land from sliding further: [\[1\]](#)

- **Fissure Sealing:** Large open ground cracks were filled with concrete and layered with heavy plastic sheeting to keep rainwater out of the slide mass.
- **Runoff Redirection:** Crews laid a specialized stormwater pipe along the canyon bottom to route rushing water safely past the unstable slope.
- **Headscarp Anchor:** Reinforced structural stabilization was built along the cliff edge (headscarp) to protect the street and secure utility mains.
- **Systemic Upgrades:** The city deployed a \$750,000 federal grant to modernize and strengthen its overarching stormwater drainage infrastructure. [\[1\]](#)